DETAILED ACTION

Allowable Subject Matter

Claims 6, 15, 17, and 19-23 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 6 recites, "moving destination determining means for determining one of the respective data blocks at which the time required to move the head to is the shortest, and that the one of the respective data blocks is to be read next in chronological sequence, based on the present location of the head, which has been estimated by the head position estimating means, and the chronological sequential positions and locations of the respective data blocks, which have been calculated by the data position calculating means," which is a unique feature not disclosed by prior art.

Claim 15 recites, "calculating a time required to move the head to each of the individual respective data blocks, based on the estimated present position of head and the positions with respect to the recording medium of the respective data blocks; and reading one of the respective data blocks at which the calculated time required to move the head to is the shortest," which are unique features not disclosed by prior art.

Claim 17 recites, "a process for calculating a time required to move the head to each of the locations of the respective data blocks, based on the estimated present position of the head and the chronological sequential positions and locations of the respective data blocks in the single file; and a process for reading one of the respective data blocks at which the calculated time required to move the head is the shortest," which are unique features not disclosed by prior art.

Claim 19 recites, "calculating a first position with respect to the recording medium of a first I frame to be read next, wherein the first I frame is in a first data block and the first I frame is a moving destination for the head; calculating a second position with respect to the recording medium of a second I frame existing sequentially before the first I frame, wherein the second I frame is in a second data block; calculating a third position with respect to the recording medium of a third I frame existing sequentially after the first I frame, wherein the third I frame is in a third data block; calculating a first travel time required to move the head to the first I frame, based on the estimated present position of the head and the first position of the first I frame; calculating a second travel time required to move the head to the second I frame, based on the estimated present position of the head and the second position of the second I frame; calculating a third travel time required to move the head to the third I frame, based on the estimated present position of the head and the third position of the third I frame; determining which of the first travel time, the second travel time, and the third travel time has a smallest travel time; setting one of the first I frame, the second I frame, and the third I frame as the moving destination of the head, when on the smallest travel time is associated with the one of the first I frame, the second I frame, and the third I frame; and reading data located at the moving destination," which are unique features not disclosed by prior art.

Claims 20-23 are allowed because they depend on claim 19 above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Hung Q. Dang whose telephone number is (571)270-

1116. The examiner can normally be reached on IFT.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, THAI Q. TRAN can be reached on 571-272-7382. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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published applications may be obtained from either Private PAIR or Public PAIR.

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you have questions on access to the Private PAIR system, contact the Electronic

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hung Q Dang/
Examiner, Art Unit 2621

/Thai Tran/
Supervisory Patent Examiner, Art Unit 2621